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Notice of Allowability	Application No.	Applicant(s)	
	10/653,508	VESEL ET AL.	
	Examiner	Art Unit	
	Minh D. A	2821	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/30/05.
2. ☒ The allowed claim(s) is/are 1-22,29-33.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |



**WILSON LEE
PRIMARY EXAMINER**

Allowable Subject Matter

1. Claims 1-22, 29-33 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

Prior art does not teach that, a four radiating element antenna configured for electrical coupling to a first air traffic control transponder; a first traffic alert and collision avoidance system and second antenna having a single radiating element antenna configured for electrical coupling to a second air traffic control transponder recited in combination with all limitations recited in independent claim 1.

Prior art does not teach that, a first weather detection and avoidance radar system; wherein the first air traffic control transponder and the first traffic alert and collision avoidance system are configured for electrical coupling to a four radiating element antenna', a second cabinet configured for housing: a second air traffic control transponder; a second traffic alert and collision avoidance system', a second terrain awareness and warning system', a second weather detection and avoidance radar system', wherein the second cabinet includes at least the second air traffic control transponder and is configured for electrical coupling to a single radiating element antenna in combination with all limitations recited in independent claims 10 and 17.

Prior art does not teach that, a first cabinet configured for housing: a first air traffic control transponder; a first traffic alert and collision avoidance system; a first terrain awareness and warning system; first weather detection and avoidance system; a second cabinet configured for housing: a second cabinet configured for

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housing: a second air traffic alert and collision avoidance system and second terrain awareness and warning system and second weather detection and avoidance radar system recited in independent claim 29.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hudson et al (US 6,545,631) and Johnson et al. (US 6,788,245) are cited to show a surveillance receiver.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Minh A whose telephone number is (571) 272-1817. The examiner can normally be reached on M-F (5:30 –2:30 PM).

If attempts to reach the examiner by telephone is unsuccessful, the examiner's supervisor, Don Wong, can be reached on (571) 272-1834. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and (703) 872-9319 for final communications.

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (571) 272-1553.

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Examiner

Minh A

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9/18/05



WILSON LEE
PRIMARY EXAMINER